

UTILITY PATENT APPLICATION TRANSMITTAL

(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
55862-CIP (46342)

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

NOVEL G PROTEIN-COUPLED RECEPTOR PROTEIN, ITS DNA AND LIGAND THEREOF

and invented by:

Takuya WATANABE; Kuniko KIKUCHI; Yasuko TERAQ; Yasushi SHINTANI; Shuji HINUMA; Sh ji FUKUSUMI; Ryo FUJII; Masaki HOSOYA; and Chieko KITADA

22386 U.S. PTO
10/719587

112103

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 09/831,758

Which is a: National phase under 35 USC 371 of:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: PCT/JP99/06283

Which claims priority of the following six (6) Japanese applications:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: JP 259818/1999
JP 221640/1999
JP 166672/1999
JP 106812/1999
JP 60030/1999
JP 323759/1998

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 206 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal Number of Sheets 15
- b. ☐ Informal Number of Sheets _____
4. ☐ Oath or Declaration
- a. ☐ Newly executed *(original or copy)* ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☐ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☒ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☒ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☒ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EV 342 588 444 US

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Accompanying Application Parts (Continued)

17. ☒ Additional Enclosures *(please identify below)*:

COPY of Petition for Extension of Time and Fee for Extension of Time

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	82	- 20 =	62	x \$18.00	\$1,116.00
Indep. Claims	14	- 3 =	11	x \$86.00	\$946.00
Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/>					\$290.00
BASIC FEE					\$770.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$3,122.00

- ☒ A check in the amount of \$3,122.00 to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 04-1105 as described below.
- ☐ Charge the amount of _____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Kathryn A. Piffat, Ph.D.
Signature

Dated: November 21, 2003

Kathryn A. Piffat, Ph.D., Reg. No. 34,901
Intellectual Property Practice Group of
EDWARDS & ANGELL, LLP
P.O. B x 9169
Boston, MA 022

Customer No.: 21874
cc:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): WATANABE et al.

Docket No.

55860-CIP (46342)

Serial No.

Not Yet Assigned

Filing Date

Herewith

Examiner

Not Yet Assigned

Group Art Unit

Not Yet Assigned

Invention: NOVEL G PROTEIN-COUPLED RECEPTOR PROTEIN, ITS DNA AND LIGAND THEREOF

I hereby certify that the following correspondence:

Continuation-in-part (CIP) application and related documents; Sequence Listing (15 pages, Diskette, and Statement; IDS/PTO-1449 and Copies of References; Preliminary Amendment; Check in that amount of \$3,122.00; Copy of 3M Extension of Time; and Return Receipt Postcard.

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

November 21, 2003*(Date)*Sharon Bizokas*(Typed or Printed Name of Person Mailing Correspondence)*Sharon Bizokas*(Signature of Person Mailing Correspondence)*EV 342 588 444 US*("Express Mail" Mailing Label Number)*

Note: Each paper must have its own certificate of mailing.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Watanabe, et al.
Serial No.: 09/831,758 Group Art Unit: 1646
Filed: May 11, 2001 Examiner: J. Ulm
For: NOVEL G PROTEIN-COUPLED RECEPTOR PROTEIN, ITS DNA AND
LIGAND THEREOF

.....
CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 21, 2003.

By: Sharon Bizokas
Sharon Bizokas

.....
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COPY

PETITION AND FEE FOR EXTENSION OF TIME; 37 C.F.R. 1.136(a)

Sir:

This is a petition pursuant to 37 C.F.R. 1.136(a) for an extension of time for a total period of three (3) months from August 23, 2003 to November 23, 2003 in connection with the Office Action Summary dated May 23, 2003.

Enclosed herewith is a check for the required fee of \$950.00.

Applicants also conditionally petition for a further extension time to provide for the possibility that such a petition is required.

If for any reason a fee is required, a fee paid is inadequate or credit is owed for any excess fee paid, you are hereby authorized and requested to charge Deposit Account No. **04-1105**.

Respectfully submitted,

November 21, 2003

Kathryn A. Piffat, Ph.D.
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